

DUAL LAYER SIGNAL PROCESSING IN A LAYERED MODULATION DIGITAL
SIGNAL SYSTEM

ABSTRACT OF THE DISCLOSURE

- 5 Systems and methods for receiving layered modulation for digital signals are
presented. An exemplary apparatus comprises a tuner for receiving a layered signal and
producing a layered in-phase signal and a layered quadrature signal therefrom, an analog-to-
digital converter for digitizing the layered in-phase signal and the layered quadrature signal
and a processor for decoding the layered in-phase signal and the layered quadrature signal to
10 produce one or more discrete layer signals.